# **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/721,553
Source:	
Date Processed by STIC:	

# ENTERED



**IFWO** 

#### RAW SEQUENCE LISTING

1 <110> APPLICANT: Batra, Surinder K. Hollingsworth, Michael A.

DATE: 10/19/2004

PATENT APPLICATION: US/10/721,553 TIME: 08:58:09

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University of Nebraska Board of Regents
   <120> TITLE OF INVENTION: Novel Gene That is Amplified and
 5
         Overexpressed in Cancer and Methods of Use Thereof
 6 <130> FILE REFERENCE: UNMC63121
 7 <140> CURRENT APPLICATION NUMBER: US/10/721,553
 8 <141> CURRENT FILING DATE: 2003-11-25
 9 <150> PRIOR APPLICATION NUMBER: US/09/647,143
10 <151> PRIOR FILING DATE: 2000-09-27
11 <150> PRIOR APPLICATION NUMBER: PCT/US99/06633
12 <151> PRIOR FILING DATE: 1999-03-26
13 <150> PRIOR APPLICATION NUMBER: 60/079,649
14 <151> PRIOR FILING DATE: 1998-03-27
15 <160> NUMBER OF SEO ID NOS: 22
16 <170> SOFTWARE: FastSEQ for Windows Version 3.0
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 1937
20 <212> TYPE: DNA
21 <213> ORGANISM: Homo sapiens
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                                                                                  120
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                                                                                  180
          gcccagcggg aggatggcca caggcccaat tcccaccgga ctctgcctga gaggtctgga
26
                                                                                  240
27
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                                                                                  300
28
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                                                                                  360
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                                                                                  420
30
          cctgacacct accgcatcga ccccaatgtt cttctagatc cagctgatga qaaacttttq
                                                                                  480
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                                                                                  540
32
          ccatggatgc gaaagacaga gtacatctcc actgagttca accgttatqq catctccaat
                                                                                  600
33
          gagaagcctg aggtcaagat tggggtttct gtgaagcagc agtttaccga ggaagaaata
                                                                                  660
34
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35
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                                                                                  780
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36
                                                                                  840
37
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                                                                                  900
38
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                                                                                  960
39
          aagaaacgaa agcgggacca ggaggaggag atggactatg caccagatga tgtgtatgac
                                                                                 1020
40
          tacaaaattg ctcgggagta caactggaac gtgaagaaca aagctagcaa gggctatgag
                                                                                 1080
41
          gaaaactact tottoatott cogagagggt gacggggttt actacaatga gttqgaaacc
                                                                                 1140
42
          agggtccgcc ttagtaagcg ccgggccaag gctggggttc agtcaggcac caacqccctq
                                                                                 1200
43
          cttgtggtca aacatcggga catgaatgag aaggaactqq aaqctcaqqa qqcacqqaaq
                                                                                 1260
44
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### RAW SEQUENCE LISTING DATE: 10/19/2004 PATENT APPLICATION: US/10/721,553 TIME: 08:58:09

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                                                                               1380
46
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                                                                               1440
47
          agtgacaaga gtggcagtgg tgaggacgag agcagcgagg atgaggcccg ggctgcccqt
                                                                               1500
48
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                                                                               1560
49
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                                                                               1620
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          ggtggccagc ggagccggag ccacagccgc agcgccagtc ccttccccag tggcaqcgaq
                                                                               1680
51
          cacteggece aggaggatgg cagtgaaget geagettetg attecagtga agetgatagt
                                                                               1740
52
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                                                                               1800
53
          aagcactttt ctagtggtct gtttgtgagc ctttcacttq tttqttcccc acccccaaac
                                                                               1860
54
          1920
55
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57 <210> SEQ ID NO: 2
58 <211> LENGTH: 531
59 <212> TYPE: PRT
60 <213> ORGANISM: Homo sapiens
61 <400> SEQUENCE: 2
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64
          Pro Asn Ser His Arg Thr Leu Pro Glu Arg Ser Gly Val Val Cys Arg
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66
          Val Lys Tyr Cys Asn Ser Leu Pro Asp Ile Pro Phe Asp Pro Lys Phe
67
                                      40
68
          Ile Thr Tyr Pro Phe Asp Gln Asn Arg Phe Val Gln Tyr Lys Ala Thr
69
                                  55
70
          Ser Leu Glu Lys Gln His Lys His Asp Leu Leu Thr Glu Pro Asp Leu
71
                              70
                                                  75
72
          Gly Val Thr Ile Asp Leu Ile Asn Pro Asp Thr Tyr Arg Ile Asp Pro
73
74
          Asn Val Leu Leu Asp Pro Ala Asp Glu Lys Leu Leu Glu Glu Ile
75
                     100
                                          105
          Gln Ala Pro Thr Ser Ser Lys Arg Ser Gln Gln His Ala Lys Val Val
76
77
                                      120
78
          Pro Trp Met Arg Lys Thr Glu Tyr Ile Ser Thr Glu Phe Asn Arg Tyr
79
                                  135
80
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81
                              150
                                                  155
82
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83
                         165
                                              170
          Thr Ala Ile Glu Lys Thr Phe Glu Asp Ala Gln Lys Ser Ile Ser Gln
84
85
                                         185
86
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87
                                     200
88
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89
             210
                                 215
                                                     220
90
         Ser Asp Pro Ala Pro Lys Asp Thr Ser Gly Ala Ala Ala Leu Glu Met
91
                             230
         Met Ser Gln Ala Met Ile Arg Gly Met Met Asp Glu Glu Gly Asn Gln
92
93
                         245
94
         Phe Val Ala Tyr Phe Leu Pro Val Glu Glu Thr Leu Lys Lys Arg Lys
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RAW SEQUENCE LISTING DATE: 10/19/2004
PATENT APPLICATION: US/10/721,553 TIME: 08:58:09

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96		Arg	Asp	Gln		Glu	Glu	Met	Asp		Ala	Pro	Asp	Asp		Tyr	Asp	
97			-	275					280	-			-	285			_	
98		Tyr	Lys	Ile	Ala	Arg	Glu	Tyr	Asn	Trp	Asn	Val	Lys	Asn	Lys	Ala	Ser	
99			290			_		295		_			300		-			
100		Lys	Gly	Tyr	Glu	Glu	Asn	Tyr	Phe	Phe	: Ile	Phe	e Arg	g Glu	ı Gly	Asp	Gly	
101		305	5				310					315	5		_	_	320	
102		Val	Tyr	Tyr	Asn	Glu	Leu	Glu	Thr	Arg	y Val	Arc	J Leu	ı Ser	Lys	Arg	J Arg	
103						325					330	)				335	5	
104		Ala	Lys	Ala	Gly	Val	Gln	Ser	Gly	Thr	Asn	Ala	a Leu	Leu	. Val	Val	Lys	
105					340					345					350			
106		His	Arg	Asp	Met	Asn	Glu	Lys	Glu	. Leu	ı Glu	Ala	a Glr	ı Glü	ı Ala	Arg	l Lys	
107				355					360					365				
108		Ala	Gln	Leu	Glu	Asn	His	Glu	Pro	Glu	Glu	Glu	ı Glu	Glu	Glu	Glu	Met	
109			370					375					380					
110		Glu	Thr	Glu	Glu	Lys	Glu	Ala	Gly	Gly	Ser	Asp	Glu	Glu	Glr	Glu	Lys	
111		385					390					395					400	
112		Gly	Ser	Ser	Ser	Glu	Lys	Glu	Gly	Ser	Glu	Asp	Glu	His	Ser	Gly	Ser	
113						405					410					415		
114		Glu	Ser	Glu	Arg	Glu	Glu	Gly	Asp	Arg	Asp	Glu	ı Ala	Ser	Asp	Lys	Ser	
115					420					425					430			
116		Gly	Ser	Gly	Glu	Asp	Glu	Ser	Ser	Glu	Asp	Glu	ı Ala	. Arg	Ala	Ala	Arg	
117				435					440					445				
118		Asp			Glu	Ile	Phe	_	Ser	Asp	Ala	Asp	Ser	Glu	Asp	Asp	Ala	
119		_	450				_	455			_		460					
120				Asp	Asp	GLu			Gly	Gln	Ala			Gly	Ser	Asp	Asn	
121		465		_	_		470					475					480	
122		Asp	Ser	Asp	Ser		Ser	Asn	Gly	GTA			Arg	Ser	Arg		His	
123						485	_	_1	_	_	490		~7	•	_	495		
124		ser	arg	ser		ser	Pro	Pne	Pro		_	Ser	GIU	Hls			Gln	
125		<i>α</i> 1	7) a x	C1	500	<b>a</b> 1	71.	77-	77-	505		a		a1	510		0	
126 127		GIU	Asp	515		GIU	Ala	Ата			Asp	sei	ser			Asp	Ser	
127		7.00	C 0 20						520					525				
129		Asp	Ser 530	-														
131 <	210	SEO.																
132 <																		
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135 <						арте	115											
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138 <	210>					-ug c	ככ											20
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## RAW SEQUENCE LISTING DATE: 10/19/2004 PATENT APPLICATION: US/10/721,553 TIME: 08:58:09

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147 <212> TYPE: DNA
148 <213> ORGANISM: Homo sapiens
149 <400> SEQUENCE: 5
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153 <211> LENGTH: 20
154 <212> TYPE: DNA
155 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 6
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160 <211> LENGTH: 19
161 <212> TYPE: DNA
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163 <400> SEQUENCE: 7
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167 <211> LENGTH: 19
168 <212> TYPE: DNA
169 <213> ORGANISM: Homo sapiens
170 <400> SEQUENCE: 8
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174 <211> LENGTH: 19
175 <212> TYPE: DNA
176 <213> ORGANISM: Homo sapiens
177 <400> SEQUENCE: 9
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181 <211> LENGTH: 21
182 <212> TYPE: PRT
183 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 10
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190 <210> SEQ ID NO: 11
191 <211> LENGTH: 22
192 <212> TYPE: PRT
193 <213> ORGANISM: Homo sapiens
194 <400> SEQUENCE: 11
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                            5
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                                                                     15
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198
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200 <210> SEO ID NO: 12
201 <211> LENGTH: 18
202 <212> TYPE: DNA
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18

18

## RAW SEQUENCE LISTING DATE: 10/19/2004 PATENT APPLICATION: US/10/721,553 TIME: 08:58:09

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208 <211> LENGTH: 18
209 <212> TYPE: DNA
210 <213> ORGANISM: Homo sapiens
211 <400> SEQUENCE: 13
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214 <210> SEQ ID NO: 14
215 <211> LENGTH: 11
216 <212> TYPE: PRT
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223 <211> LENGTH: 39
224 <212> TYPE: PRT
225 <213> ORGANISM: Drosophila melanogaster
226 <400> SEQUENCE: 15
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235 <211> LENGTH: 40
236 <212> TYPE: PRT
237 <213> ORGANISM: Homo sapiens
238 <400> SEQUENCE: 16
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246 <210> SEQ ID NO: 17
247 <211> LENGTH: 18
248 <212> TYPE: PRT
249 <213> ORGANISM: Homo sapiens
250 <400> SEQUENCE: 17
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255 <210> SEQ ID NO: 18
256 <211> LENGTH: 18
257 <212> TYPE: PRT
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/721,553

DATE: 10/19/2004 TIME: 08:58:10

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Output Set: N:\CRF4\10192004\J721553.raw

#### Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

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Seq#:1; Line(s) 43,44,45,46,47,48,49,50,51,52,53,54,55
Seq#:3; Line(s) 136
Seq#:4; Line(s) 143
Seq#:5; Line(s) 150
Seq#:6; Line(s) 157
Seq#:7; Line(s) 164
Seq#:8; Line(s) 171
Seq#:9; Line(s) 178
Seq#:12; Line(s) 205
Seq#:13; Line(s) 212
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VERIFICATION SUMMARY

DATE: 10/19/2004

PATENT APPLICATION: US/10/721,553

TIME: 08:58:10